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## United States Department of Agriculture MONTHLY LIST OF PUBLICATIONS

JUNE, 1930

**Send no remittances to the U. S. Department of Agriculture**

A copy of any of the general publications listed herein, except those otherwise noted, may be obtained free upon application to the United States Department of Agriculture, Washington, D. C., as long as the department's supply lasts. Free distribution of periodicals is restricted.

After the department's supply is exhausted, publications may still be obtained from the Superintendent of Documents, Government Printing Office, Washington, D. C., but by purchase only, and at the prices stated herein.

Send all remittances to the Superintendent of Documents direct. His office is not a part of the Department of Agriculture.

### GENERAL PUBLICATIONS

#### FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

The home production of onion seed and sets. W. R. Beattie, Bureau of Plant Industry. 18 p., figs. 11. (Farmers' Bulletin 434 F., revised.) Price, 5¢.

Squab raising. Alfred R. Lee, Bureau of Animal Industry. 21 p., figs. 19. (Farmers' Bulletin 684 F., revised.) Price, 5¢.

Diseases and insects of garden vegetables. W. W. Gilbert, Bureau of Plant Industry, and C. H. Popenoe, Bureau of Entomology. 46 p., figs. 65. (Farmers' Bulletin 1371 F., revised.) Price, 10¢.

Care and management of dairy bulls. J. R. Dawson, Bureau of Dairy Industry. 22 p., figs. 21. (Farmers' Bulletin 1412 F., revised.) Price, 5¢.

Rat control. James Silver, Bureau of Biological Survey. 21 p., figs. 10. (Farmers' Bulletin 1533 F., revised.) Price, 5¢.

The Hessian fly and how losses from it can be avoided. W. R. Walton and C. M. Packard, Bureau of Entomology. 14 p., figs. 14. (Farmers' Bulletin 1627 F.) Price, 5¢.

This bulletin is a revision of and supersedes Farmers' Bulletin No. 1083, The Hessian fly and how to prevent losses from it.

#### LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins, except that the leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

Improved sanitation in milk production. R. J. Posson. Revised by C. S. Leete, Bureau of Dairy Industry. 8 p., figs. 8. (Leaflet 3 L., revised.) Price, 5¢.

Rabbit-house construction. Prepared by the Bureau of Biological Survey and the Bureau of Public Roads. 8 p., figs. 5. (Leaflet 15 L., revised.) Price, 5¢.

Constructive details for rabbit houses, giving attention both to the comfort of the animals and the convenience of the caretaker.

English sparrow control. E. R. Kalmbach, Bureau of Biological Survey. 8 p., figs. 7. (Leaflet 61 L.) Price, 5¢.

Sets forth economical and effective measures for local control of the sparrow population, including designs for traps and formulas for poison bait.

## TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited, as they are intended primarily for scientific workers and subject-matter specialists.

Principles of box and crate construction. C. A. Plaskett, Forest Service. 134 p., figs. 34, pls. 42. (Technical Bulletin 171 T.) Price, 55¢.

Based on investigations at Forest Products Laboratory, Madison, Wisconsin. Gives formulas, rules, and instructions for designing all of the common types of boxes and crates, and deals with special requirements and properties of container woods. Intended primarily for box and crate manufacturers and shippers.

Origin and distribution of the commercial strawberry crop. J. W. Strowbridge, Bureau of Agricultural Economics. 104 p., figs. 57. (Technical Bulletin 180 T.) Price, 25¢.

Discussed briefly by text and presented more fully by tables and graphs.

Factors affecting the mechanical application of fertilizers to the soil. Arnon L. Mehring, Bureau of Chemistry and Soils, and Glenn A. Cumings, Bureau of Public Roads. 96 p., figs. 26, pls. 18. (Technical Bulletin 182 T.) Price, 30¢.

Intended to give definite information regarding the drillability of the most commonly used fertilizers and the performance of various types of fertilizer distributors. Of interest principally to manufacturers and research workers.

Life history of the oriental peach moth at Riverton, N. J., in relation to temperature. Alvah Peterson and G. J. Haeussler, Bureau of Entomology. 38 p., figs. 22. (Technical Bulletin 183 T.) Price, 10¢.

As far as possible and advisable, long detailed life-history tables have been omitted. Summary tables and graphs have been used in their place; also all general information and biological data which do not have a direct bearing on the life cycle are omitted.

Erosion and silting of dredged drainage ditches. C. E. Ramser, Bureau of Public Roads. 55 p., figs. 24, pls. 22. (Technical Bulletin 184 T.) Price, 25¢.

Reports cross-sectional and hydraulic measurements and results of observations made between 1913 and 1921 on 22 dredged drainage ditches in Mississippi, Tennessee, and Iowa, of all conditions that influence the erosion and silting of ditches. Should assist the engineer in making predictions as to probable erosion and silting in ditches so that drainage improvements can be planned accordingly.

Irrigation requirements of the arid and semiarid lands of the Southwest. Samuel Fortier and Arthur A. Young, Bureau of Public Roads. 68 p., figs. 11. (Technical Bulletin 185 T.) Price, 15¢.

This report is the third of a series on irrigation requirements in the Western States. Data are presented to show that the area irrigated may be increased from 3,771,000 to 13,000,000 acres, provided the available water supply is efficiently controlled and utilized and the seasonal net irrigation requirements do not exceed the average quantity of irrigation water allotted to each of the subdivisions into which the territory is separated.

## CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

The Asiatic beetle, a serious pest in lawns. H. C. Hallock, Bureau of Entomology. 8 p., figs. 3. (Circular 117 C.) Price 5¢.

Gives the life history of this beetle and discusses practical measures of artificial control as well as the importation of parasites from the native home of the beetle.

Calculating waterfowl abundance on the basis of banding returns. Frederick C. Lincoln, Bureau of Biological Survey. 4 p., fig. 1. (Circular 118 C.) Price, 5¢.

Proposes a new method for estimating the numbers of waterfowl in North America in any one season. By this method it should be possible to arrive at an average percentage to serve as a standard.

## MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

Anthelmintics for the removal of thorn-headed worms from swine, Willard H. Wright and H. B. Raffensperger, Bureau of Animal Industry. 12 p. (Miscellaneous Publication 79 MP.) Price, 5¢.

A semitechnical publication dealing with the life history and control of this parasite. Intended for parasitologists, veterinarians, and swine raisers.

## SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey; and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area surveyed and to soil specialists. All requests for Soil Surveys are referred to the Bureau of Chemistry and Soils, which controls their distribution.

Indiana, Wayne County. (1925, No. 21.) 15¢.

South Dakota, Brown County. (1925, No. 22.) 25¢.

Texas, Nacogdoches County. (1925, No. 24.) 25¢.

## STATISTICAL BULLETINS

Tables giving statistics relating to one or more closely related agricultural commodities. Of interest to persons engaged in marketing or any business affected by agricultural production.

Car-lot shipments and unloads of important fruits and vegetables for the calendar years 1927 and 1928. Prepared by the Division of Fruits and Vegetables, Bureau of Agricultural Economics. 164 p. (Statistical Bulletin 30 SB.) Price, 25¢.

Contains tabulations showing the number of carloads of 18 important fruits and vegetables unloaded in 66 cities and the number of carload shipments of 37 fruits and vegetables during the same years, segregated by State of origin.

## SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Information, instructions, rulings, etc., for May, 1930, concerning the work of the Bureau of Animal Industry. (S. R. A.—B. A. I. 277.) pp. 39-46. Price, 5¢.

Notices of judgment under the food and drugs act. N J., F. D. 16801-16825, pp. 515-525.

Plant material introduced by the Office of Foreign Plant Introduction, Bureau of Plant Industry, January 1 to March 31, 1929 (Nos. 78509 to 80018.) 67 p. (Inventory 98.) Price, 10¢.

Revision of rules and regulations supplemental to quarantine of Hawaii on account of the Mediterranean melon fly. Plant Quarantine and Control Administration. 4 p. June 1, 1930.

## PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 14, No. 6. June 1, 1930. Price 5¢ a copy; 25¢ a year, domestic; 40¢ a year, foreign.<sup>1</sup>

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

Crops and markets. Vol. 7, No. 5. May, 1930. Price, 5¢ a copy; 60¢ a year, domestic; 85¢ a year, foreign.<sup>1</sup>

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, condition and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price, daily, except Sundays and holidays, 25¢ a month, \$3.00 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States; 20¢ a month, \$2.50 a year.<sup>1</sup>

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

Experiment station record. Vol. 62, No. 7. May, 1930; No. 8. June, 1930. Single number for sale only. Price, 10¢.<sup>1</sup>

A technical review of the world's scientific literature pertaining to agriculture. Two volumes a year, of 10 numbers each; 75¢ a volume, domestic; \$1.25 a volume, foreign.

Forest worker. Vol. 6, No. 3. May, 1930. Price 5¢ a copy; 25¢ a year, domestic; 35¢ a year, foreign.<sup>1</sup>

News of State forestry, forestry education, private forestry, and the work of the Forest Service.

Journal of agricultural research. Price, 20¢ a copy; \$4 a year, domestic; \$5.25 a year, foreign.<sup>1</sup> Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work. Separates of articles are distributed free to those desiring them, as long as the limited supply lasts.

— Vol. 40, No. 11. June 1, 1930. Illus.

#### CONTENTS:

Bacterial streak disease of sorghums. (G-708.) Charlotte Elliott.

Beef extract as a source of vitamin G. (A-138.) Ralph Hoagland and George G. Snider.

Carotenosis of bovine livers associated with parenchymatous degeneration. (A-139.) John S. Buckley, E. C. Joss, G. T. Crech, and James F. Couch.

The insecticidal action of some derivatives of pyridine and pyrrolidine and of some aliphatic amines. (K-209.) C. H. Richardson and H. H. Shephard.

Development of cotton fibers in the Pima and Acala varieties. (Ariz.-3.) R. S. Hawkins and George H. Serviss.

Souring of figs by yeasts and the transmission of the disease by insects. (Calif.-52.) Panos D. Caldis.

Tests to determine toxicity of pyrethrum vapors to honeybees. (N. J.-19.) Joseph M. Ginsburg.

— Vol. 40, No. 12. June 15, 1930. Illus.

#### CONTENTS:

Studies of the staminate inflorescence and pollen of *Hicoria pecan*. (Ga.-6.) J. G. Woodroof.

Inheritance of anthocyan pigmentation in rice. (G-728.) Jenkin W. Jones.

The comparative nutritive value of yellow corn and the grain sorghums hegari and yellow milo. (Ariz.-2.) Margaret Cammack Smith.

A quantitative comparison of the vitamin-A content of yellow corn and the grain sorghums hegari and yellow milo. (Ariz.-4.) Margaret Cammack Smith.

Monthly weather review. Vol. 58, No. 3. March, 1930. Illus. Price, 15¢ a copy; \$1.50 a year, domestic; \$2.25 a year, foreign.<sup>1</sup> Not for general distribution.

Contains (1) meteorological contributions and bibliography, (2) weather charts for the month with an interpretive summary, and (3) climatological tables.

Public roads. Price, 10¢ a copy; \$1 a year, domestic; \$1.50 a year foreign.<sup>1</sup>

— Vol. 11, No. 1. March, 1930. Illus.

#### CONTENTS:

A technical basis for apportioning motor vehicle taxes.

A method of analysis of data on frost occurrence for use in highway design.

The official record. Vol. 9, Nos. 23-26. June 5, 12, 19, 26, 1930. Price, 5¢ a copy; 50¢ a year, domestic; \$1.10 a year, foreign.<sup>1</sup>

Contains official orders and miscellaneous information concerning the department's activities and such other matter as should be brought to employees' attention.

Weekly weather and crop bulletin. Price, 50¢ a year, domestic; \$1 a year, foreign.<sup>1</sup>

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.